

Los Alamos

NATIONAL LABORATORY

memorandum

*Nuclear Materials and Reconfiguration Technology
Rocky Flats (NMRT/RF)*

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Subject **Deliverable for Granular Activated Carbon Phase 1 System Evaluation**

The enclosed report constitutes the final deliverable for the system evaluation of a granular activated carbon (GAC) treatment technology (WP# 12190-3)

This report proposes low temperature (200 C) regeneration followed by non thermal plasma destruction for the approximately 74 tons of Rocky Flats GAC. Our assessment concludes the bio mass accumulation can be accommodated and that the technology is technically sound. In addition a preliminary regulatory analysis of the pondwater and OU 2 GAC was performed and a conceptual design of a full scale system suitable for operations at Rocky Flats was completed.

Based on these results Los Alamos proposes further investigation of this technology and initiation of Phase 2 of this project fabrication and testing of a prototype system.

If you have any questions please contact me or John Coogan (505/665 0186)

Enc a/s

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